

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for controlling a playback operation in ~~an enhanced navigation~~ a media player device, the method comprising:

defining a plurality of operating states based on coexisting operation modes of the ~~enhanced navigation~~ media player device, wherein in a first operation mode the device is configured to reproduce audio/video (A/V) data recorded on ~~an enhanced navigation~~ a recording medium and in a second operation mode the device is configured to process additional data recorded on ~~an enhanced navigation~~ a recording medium or provided from a remote content provider; and

operating the device in at least one of the plurality of operating states, in response to user interfacing with the device to select said at least one of the plurality of operating states,

wherein the plurality of operating states comprise at least one of N operating states based on said first and second operational modes,

the first operational mode has X playback states associated with reproducing A/V data recorded on the recording medium,

the second operational mode has Y operation states associated with processing additional data recorded on a recording medium or provided by the remote content provider, and where $N = X \times Y$.

2-5. (Canceled)

6. (Currently Amended) The method of ~~claim 3~~ claim 1, wherein the first operational mode comprises at least one of play, still and stop playback states associated with reproduction of the A/V data.

7. (Currently Amended) The method of ~~claim 4~~ claim 6, wherein the second operational mode comprises at least one of play, idle, and stop ~~display~~ states associated with processing of the additional data.

8. (Currently Amended) The method of ~~claim 1~~ claim 7,
wherein the operating step includes playing back A/V data from the recording medium and displaying additional data received from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a play state and the second operational mode is in a play state.

~~wherein if the first operational mode is in a play state and the second operational mode is in a play state, then the device plays back A/V data from the enhanced navigation medium and the device displays additional data received from the enhanced navigation medium or the remote content provider in association with the A/V data.~~

9. (Currently Amended) The method of ~~claim 1~~ claim 7,
wherein the operating step includes displaying a still picture of a A/V data from the recording medium and displaying additional data received from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a still state and the second operational mode is in a play state.

~~wherein if the first operational mode is in a still state and the second operational mode is in a play state, then the device temporarily discontinues playing back A/V data and the device displays a still picture of a last A/V data frame reproduced along with additional data received from the enhanced navigation medium or the remote content provider in association with the A/V data.~~

10. (Currently Amended) The method of ~~claim 1~~ claim 7,

wherein the operating step includes discontinuing the playback of A/V data and displaying additional data received from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a stop state and the second operational mode is in a play state.

~~wherein if the first operational mode is in a stop state and the second operational mode is in a play state, then the device discontinues playing back A/V data and the device displays additional data received from the enhanced navigation medium or the remote content provider in association with the A/V data.~~

11. (Currently Amended) The method of claim 10, wherein the displaying step the ~~device displays~~ the additional data in full screen mode and no A/V data ~~is displayed~~.

12. (Currently Amended) The method of ~~claim 1~~ claim 7,

wherein the operating step includes playing back the A/V data and temporarily discontinuing a receiving of additional data from the recording medium or the remote content

provider in association with the A/V data, if the first operational mode is in a play state and the second operational mode is in an idle state.

~~wherein if the first operational mode is in a play state and the second operational mode is in an idle state, then the device plays back the A/V data and the device temporarily discontinues receiving additional data from the enhanced navigation medium or the remote content provider in association with the A/V data.~~

13. (Currently Amended) The method of ~~claim 1~~ claim 7,

wherein the operating step includes playing back the A/V data and continuing a receiving of additional data from the recording medium or the remote content provider in association with the A/V data while discontinuing a displaying of the additional data, if the first operational mode is in a play state and the second operational mode is in an idle state.

~~wherein if the first operational mode is in a play state and the second operational mode is in an idle state, then the device plays back the A/V data and the device continues receiving additional data from the enhanced navigation medium or the remote content provider in association with the A/V data, and the device discontinues displaying the additional data.~~

14. (Currently Amended) The method of claim 12, wherein the playing back step the device plays back A/V data in full screen mode.

15. (Currently Amended) The method of ~~claim 1~~ claim 7,

wherein the operating step includes temporarily discontinuing a playback of the A/V data and temporarily discontinuing a receiving of additional data from the recording medium or

the remote content provider in association with the A/V data, if the first operational mode is in a still state and the second operational mode is in an idle state.

~~wherein if the first operational mode is in a still state and the second operational mode is in an idle state, then the device temporarily discontinues playing back the A/V data and the device temporarily discontinues receiving additional data from the enhanced navigation medium or the remote content provider in association with the A/V data.~~

16. (Currently Amended) The method of claim 15, wherein ~~the device~~the displaying step displays a still image of the last A/V data displayed.

17. (Currently Amended) The method of ~~claim 1~~ claim 7,
wherein the operating step includes discontinuing a playback of the A/V data and temporarily discontinuing a receiving of additional data from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a stop state and the second operational mode is in an idle state.

~~wherein if the first operational mode is in a stop state and the second operational mode is in an idle state, then the device discontinues playing back the A/V data and the device temporarily discontinues receiving additional data from the enhanced navigation medium or the remote content provider in association with the A/V data.~~

18. (Currently Amended) The method of ~~claim 1~~ claim 7,
wherein the operating step includes playing back the A/V data and discontinuing a receiving of additional data from the recording medium or the remote content provider in

association with the A/V data, if the first operational mode is in a play state and the second operational mode is in a stop state.

~~wherein if the first operational mode is in a play state and the second operational mode is in a stop state, then the device plays back the A/V data and the device discontinues receiving additional data from the enhanced navigation medium or the remote content provider in association with the A/V data.~~

19. (Currently Amended) The method of claim 18, wherein ~~the device~~the playing back step plays back the A/V data in full screen mode.

20. (Currently Amended) The method of ~~claim 1~~ claim 7,
wherein the operating step includes temporarily discontinuing a playback of the A/V data and discontinuing a receiving of additional data from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a pause state and the second operational mode is in a stop state.

~~wherein if the first operational mode is in a pause state and the second operational mode is in a stop state, then the device temporarily discontinues playing back the A/V data and the device discontinues receiving additional data from the enhanced navigation medium or the remote content provider in association with the A/V data.~~

21. (Currently Amended) The method of ~~claim 1~~ claim 7,
wherein the operating step includes discontinuing a playback of the A/V data and discontinuing a receiving of additional data from the recording medium or the remote content

provider in association with the A/V data, if the first operational mode is in a stop state and the second operational mode is in a stop state.

~~wherein if the first operational mode is in a stop state and the second operational mode is in a stop state, then the device discontinues playing back the A/V data and the device discontinues receiving additional data from the enhanced navigation medium or the remote content provider in association with the A/V data.~~

22. (Currently Amended) An enhanced media player, comprising:

a playback engine configured to reproduce A/V data from a recording medium;

an enhanced navigation engine configured to reproduce additional data from the recording medium or a remote content provider; and

a controller operably coupled to the playback engine and the enhanced navigation engine and configured to control the reproducing of the A/V data and/or additional data, wherein

the controller is further configured to control a plurality of operating states defined based on coexisting operation modes of the playback engine and the enhanced navigation engine,

the controller is configured to control the playback engine to reproduce audio/video (A/V) data recorded on a recording medium in a first operation mode and control the enhanced navigation engine to process additional data readout from the recording medium or downloaded from a remote content provider in a first operation mode, in response to user interaction,

the plurality of operating states comprise at least one of N operating states based on said first and second operational modes,

the first operational mode has X playback states associated with reproducing A/V data recorded on the recording medium, and

the second operational mode has Y operation states associated with processing additional data recorded on the recording medium or provided by the remote content provider, where $N = X \times Y$.

~~An enhanced navigation media player device comprising:~~

~~a playback engine; and~~

~~an enhanced navigation engine, wherein~~

~~a plurality of operating states are defined based on coexisting operation modes of the playback engine and the enhanced navigation engine, wherein in response to user interaction, in a first operation mode the playback engine reproduces audio/video (A/V) data recorded on an enhanced navigation medium and in a second operation mode the enhance navigation engine processes additional data readout from the enhanced navigation medium or downloaded from a remote content provider.~~

23-26. (Cancelled)

27. (Currently Amended) The ~~method~~ player of claim 24 claim 22, wherein the first operational mode comprises at least one of play, still and stop playback states associated with reproduction of the A/V data and the second operational mode comprises at least one of play, idle, and stop display states associated with processing of the additional data.

28-30. (Cancelled)

31. (New) The player of claim 27, wherein the controller is configured to control the operating state including playing back A/V data from the recording medium and displaying additional data received from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a play state and the second operational mode is in a play state.

32. (New) The player of claim 27, wherein the controller is configured to control the operating state including displaying a still picture of a A/V data from the recording medium and displaying additional data received from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a still state and the second operational mode is in a play state.

33. (New) The player of claim 27, wherein the controller is configured to control the operating state including discontinuing the playback of A/V data and displaying additional data received from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a stop state and the second operational mode is in a play state.

34. (New) The player of claim 27, wherein the controller is configured to control the operating state including playing back the A/V data and temporarily discontinuing a receiving of additional data from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a play state and the second operational mode is in an idle state.

35. (New) The player of claim 27, wherein the controller is configured to control the operating state including playing back the A/V data and continuing a receiving of additional data from the recording medium or the remote content provider in association with the A/V data while discontinuing a displaying of the additional data, if the first operational mode is in a play state and the second operational mode is in an idle state.

36. (New) The player of claim 27, wherein the controller is configured to control the operating state including temporarily discontinuing a playback of the A/V data and temporarily discontinuing a receiving of additional data from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a still state and the second operational mode is in an idle state.

37. (New) The player of claim 36, wherein the controller is configured to control the playback engine to display a still image of the last A/V data displayed.

38. (New) The player of claim 27, wherein the controller is configured to control the operating state including discontinuing a playback of the A/V data and temporarily discontinuing a receiving of additional data from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a stop state and the second operational mode is in an idle state.

39. (New) The player of claim 27, wherein the controller is configured to control the operating state including playing back the A/V data and discontinuing a receiving of additional data from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a play state and the second operational mode is in a stop state.

40. (New) The player of claim 27, wherein the controller is configured to control the operating state including temporarily discontinuing a playback of the A/V data and discontinuing a receiving of additional data from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a pause state and the second operational mode is in a stop state.

41. (New) The player of claim 27, wherein the controller is configured to control the operating state including discontinuing a playback of the A/V data and discontinuing a receiving of additional data from the recording medium or the remote content provider in association with the A/V data, if the first operational mode is in a stop state and the second operational mode is in a stop state.

42. (New) The player of claim 22, further comprising:

a communication interface configured to communicate with the remote content provider to receive the additional data.

43. (New) The player of claim 42, further comprising:
a data storage configured to store the additional data from the remote content provider or
from the recording medium.